

IN THE CLAIMS

Please amend Claims 1, 10, and 18 as set forth below. New Claims 26 and 27 have been added. Claims 1 through 27 remain in the application. A clean copy of the amended claims have been provided below. A marked-up copy of the amended claims is included on separate pages in an addendum. The following amendments introduce no new matter into this application. Reconsideration is respectfully requested.

1. A radially symmetrical optoelectric module comprising:

a symmetrical ferrule defining an axial opening extending along an optical axis and having first and second ends positioned along the optical axis, the ferrule being formed radially symmetrical about the optical axis;

an elongated radially symmetric lens assembly with a central opening, the lens assembly being engaged in an inner periphery of the ferrule and along the optical axis;

A₁ the first end of the ferrule being formed to receive an optical fiber such that an end of the optical fiber is positioned along the optical axis and adjacent the elongated radially symmetric lens assembly and light passing through the optical fiber is acted upon by the elongated radially symmetric lens assembly; and

an optoelectric device affixed to the second end of the ferrule so that light traveling along the optical axis appears at the optoelectric device.

10. A radially symmetrical optoelectric module comprising:

a receptacle assembly including a symmetrical ferrule and an elongated radially symmetric lens assembly, the ferrule defining an axial opening extending along an optical axis and having first and second ends positioned along the optical axis, the ferrule being formed radially symmetrical about the optical axis, the elongated radially symmetric lens assembly being engaged in the ferrule along the optical axis, and the first end of the ferrule being formed to receive an optical fiber such that an end of the optical fiber is positioned along the optical axis and adjacent the first lens with light passing through the optical fiber being acted upon by the elongated radially symmetric lens assembly;

the elongated radially symmetric lens assembly including a central opening with a first lens integrally formed in the central opening and radially outwardly projecting ribs in an outer periphery of the elongated radially symmetric lens assembly; and

an optoelectric package including an optoelectric device and a second lens positioned adjacent the optoelectric device, the second lens being mounted along the optical axis by the optoelectric package, and the optoelectric package being affixed to the second end of the ferrule so that light

traveling along the optical axis appears at the optoelectric device and passes through the second lens.

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18. A radially symmetrical optoelectric module comprising:

a tubularly shaped ferrule with an axially extending central opening defining an optical axis, the ferrule being radially symmetric about the optical axis, and a first end of the ferrule constructed to receive an end of an optical fiber engaged therein;

a1 an elongated radially symmetric lens assembly including a central opening with a first lens integrally formed in the central opening and radially outwardly projecting ribs extending from an outer periphery of the elongated radially symmetric lens assembly, the elongated radially symmetric lens assembly being mounted in the ferrule along the optical axis and positioned to be adjacent the end of the optical fiber; and

an optoelectric package including a second lens and an aligned optoelectric device, the optoelectric package being affixed to a second end of the ferrule opposite the first end with the second lens positioned along the optical axis.

26. (New) A radially symmetrical optoelectric module as claimed in claim 1 wherein the elongated radially symmetric lens assembly includes a lens integrally formed in the central opening.

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27. (New) A radially symmetrical optoelectric module as claimed in claim 1 wherein the elongated radially symmetric lens assembly includes radially outwardly projecting ribs in an outer periphery of the elongated radially symmetric lens assembly.

A' cont.
